

# Kasvi Mahajan

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## EDUCATION

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### UNIVERSITY OF WESTERN ONTARIO

Bachelor of Sciences

Major in Applied Mathematics; Minor in Studio Arts

Cumulative GPA: 3.3/4.0 Relevant Coursework: Data Science, Statistics, Linear Algebra

London, ON

Expected August 2025

## SKILLS AND INTERESTS

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**Technical Skills:** Advanced in MATLAB, Python, SQL, R, HTML/CSS, ImageJ, Affinity Photo, Jupyter, SQL(Beginner), POWER BI

**Soft Skills:** Research analysis, data simulations, mathematical modeling

**Languages:** English (Fluent), Hindi (Fluent), German (Beginner), French (Beginner)

**Certifications:** IBM Data Analysis for Beginners

**Interests:** Painting, reading, cars, new tech and standup comedy

## WORK EXPERIENCE

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### UNIVERSITY OF WESTERN ONTARIO

Undergraduate Research Assistant: Department of Mathematics

London, ON

May 2024 – September 2024

- Analyzed fitness landscapes and genome mutations, improving research accuracy through data simulations in Python.
- Refined computational efficiency by 40% using MATLAB/Python, saving hours in repetitive computations.

Undergraduate Research Assistant: Department of Earth Sciences

June 2023 – April 2024

- Conducted in-depth research on 15+ peer-reviewed papers, ensuring research was aligned with ongoing project needs.
- Collaborated with PhD candidates to analyze geological datasets, contributing to a research project that improved data accuracy. This resulted in enhanced overall research quality for over 200 samples.

### ERNST & YOUNG

Project Intern

New Delhi, India

May 2023– August 2023

- Researched and maintained corporate data for over 50 companies. This solved accessibility issues for stakeholders and enhanced project efficiency, directly contributing to business outcomes.
- Produced detailed weekly reports for management, providing up-to-date information for decision-making.
- Analyzed hundreds of policy documents and regulatory frameworks to identify compliance gaps, improving research accuracy for ongoing projects.

## LEADERSHIP EXPERIENCE

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### ASSOCIATION FOR WOMEN IN MATHEMATICS & MATH BRIDGE

Director of Outreach and Events

September 2024 - Present

- Developed and executed promotional campaigns across campus and social media platforms, boosting event attendance by over 60%.
- Facilitated workshops that integrated real-world applications of mathematical theories, impacting hundreds of students directly. This contributed to an increased interest in Math programs and related fields.

### LEADERSHIP AND MENTORSHIP PROGRAM UWO

General Science Mentor- Team Leader

September 2023 - Present

- Established personal relationships between freshmen and trained peer mentors; supervised social and academic event planning alongside a team of 2 Team Leaders. Improved student engagement through these events.

### WESTERN SCIENCE STUDENTS' COUNCIL

Committee Member

September 2022 - Present

- Spearheaded the coordination of 5 multicultural events throughout the academic year, significantly enhancing student engagement and enriching the educational experience for over 500 participants.

Department Representative

- Engaged in collaborative discussions, facilitating the implementation of curriculum revisions that increased student satisfaction scores over a two-semester period.